BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Rate Analysis

FWD SR 2018 19

Sl No	Description of work	Unit	P.No	I.No	Rate Rate	Lead & Loading Unloading	AW 6%	Sub Total	TP+1%	Grand Total
1	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984 :1995 with latest amendments and conveyable upto the building feeding and including at both destinations and including and lowering but trenches, laying true to line andincluding of pipes and specials, jointing materials, test as per relevant IS with all lead and lifts, including carriage by pipe division for all pipes and fittings necessary as per relevant IS and as per Data sheets, including all necessary testing etc. complete as per the direction of Engineer in charge. The rates relative to required specials, HDPE PE100 PN-6 125 mm dia	Rmt	125	4.3 KSOR	482.00	2892	5102.92	5.11	5160.3
2	Providing laying and jointing HDPE Pipes of specified grade and conforming to IS 4984 :1995 with latest amendments and conveyable upto the building feeding and including at both destinations and including and lowering but trenches, laying true to line andincluding of pipes and specials, jointing materials, test as per relevant IS with all lead and lifts, including carriage by pipe division for all pipes and fittings necessary as per relevant IS and as per Data sheets, including all necessary testing etc. complete as per the direction of Engineer in charge. The rates relative to required specials, HDPE PE100 PN-6 90 mm dia	Rmt	125	4.1 KSOA	207.00	17.22	304.22	5.04	307.26
3	Providing laying and jointing HDPE Pipes Grade PE 80 / PE-100 conforming to IS 4984 :1995 of specified dia and for. HDPE Grade PE80 Pipes 125 mm dia	Rmt	128	11.3 KLOC	56	3.36	59.36	0.59	59.95
4	Excavation for road drains in smaller works Earthwork excavation by manual means in ordinary soil including all lifts upto 0.5 m, excavated surface leveled upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and dressed, the disposed earth to be leveled nearby after ends ready, dressed the disposed earth to be leveled nearby after breaking of clods complete as per specifications complete as per specifications, NORTH Chapter 3 as per the direction of Engineer in charge	Rmt	128	11.2 KLIOA	41	2.46	43.46	0.43	43.89
5	Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation on compacted by vibration including curing complete as per specifications No. 408 KPWD S.R 2018-19 as per the direction of Engineer in charge	Cum	143	19.1	130	7.80	235.76	2.36	238.12
6	Providing and laying plain/reinforced cement concrete in side drains using M20 nominal mix concrete with OPC at 300 Kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.42 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc. complete as per specifications No. 1500, 1700, 2200, including cost of steel as per MORTH HOM complete as per specifications.Wall & bottom thickness 15cm as per the direction of Engineer in charge	Cum	254	34.1	4557.81	273.47	4831.28	48.31	4879.59
7	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc. complete- do - 10 cms thick as per the direction of Engineer in charge	Cum	271	37.59.2	7292.14	437.53	7729.67	77.30	7806.97
8	Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5.1.13 as per the direction of Engineer in charge	Sqm	(P-27	/5.31.2	912	54.72	966.72	9.67	976.39
9	Providing and fixing RCC Precast Cover Slab of 250 mm Thick for Drains in Cement Concrete M-20 using graded granite jelly of 20 mm and down size with steel Reinforcement, including form work in drawing and the direction of Engineer-in-charge. Data Rate as per the direction of Engineer in charge	Sqm	26	5.18	1495	89.70	1584.70	15.85	1600.55
10	Providing and fixing pre cast solid concrete kerb stones of size plastering and finishing cutting etc., complete as per the direction of Engineer in charge	Cum	Data Rate		5418	325.08	5743.08	57.43	5800.51
11	450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3 Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305 as per the direction of Engineer in charge	Cum	27	5.29.2	441	26.46	467.46	4.67	472.13
12	Earthwork in excavation by mechanical means (hydraulic excavator) in foundation trenches, including dressing of sides and ramming of bottom, including getting out the excavated soil and disposing of the same within a lead of 50 m, including all lifts, including shoring and strutting, including bailing out water if necessary, including cost of dewatering complete as per the direction of Engineer in charge	Cum	147	19.6	325	19.50	344.50	3.45	347.95

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